



Defect Listing

| | | | | | |
|----------------------------------------------|---------------------------------|----------------------------|-------------------------------------------|---------------------------------------|------------------------------|
| Pipe Segment Refere... A8-16_A8-15 | City Oliver Springs | Street Walden rd | Material Concrete Pipe (non-... | Location C... Light High... | Sewer Use Sanitary |
| Upstream MH A8-16 | Total Length 288.3 | Year Laid | Shape Circular | Location Details | |
| DS Manhole A8-15 | Length surveyed 288.3 | Year Renewed | Height 8 | Width 8 | Pipe Joint... 4 |

| | | | |
|--------------------|-------------------------------------------|--------------------------------|---------------------------------------------|
| SPR 3 | MPR N/A | PO Number 4397-03 | Customer GRW |
| SPRI 3 | MPRI N/A | Work Order 4397-02 | Purpose Pre-Rehabilitation Survey |
| QSR 3100 | QMR N/A | | |
| OPR 3 | Surveyed By Barry Rogers | Direction Downstream | Date 20150730 |
| OPRI 3 | Certificate Number U-1012-16405 | Pre-Cleaning Jetting | Time 13:48 |
| | Date Cleaned 20150730 | End Time 14:03 | Weather Dry |
| | | | Additional Info |

| Distance | Condition | Cont. Dfct. | Values | | | Joint | Clock Position | | Grade |
|----------------|----------------------|-------------|--------|-----|---|--------------------------|----------------|----|-------|
| | | | 1st | 2nd | % | | At/From | To | |
| 0.0 ft. | Access Point Manhole | | | | 0 | <input type="checkbox"/> | | | |
| Remarks: A8-16 | | | | | | | | | |
| 0.0 ft. | Water Level | | | | 5 | <input type="checkbox"/> | | | |
| 19.8 ft. | Tap Factory Made | | 6 | | 0 | <input type="checkbox"/> | 3 | | |
| 141.8 ft. | Tap Factory Made | | 6 | | 0 | <input type="checkbox"/> | 3 | | |
| 215.9 ft. | Hole | | | | 0 | <input type="checkbox"/> | 2 | | 3 |
| 217.7 ft. | Tap Factory Made | | 6 | | 0 | <input type="checkbox"/> | 3 | | |
| 285.9 ft. | Water Level | | | | 5 | <input type="checkbox"/> | | | |
| 288.3 ft. | Access Point Manhole | | | | 0 | <input type="checkbox"/> | | | |
| Remarks: A8-15 | | | | | | | | | |

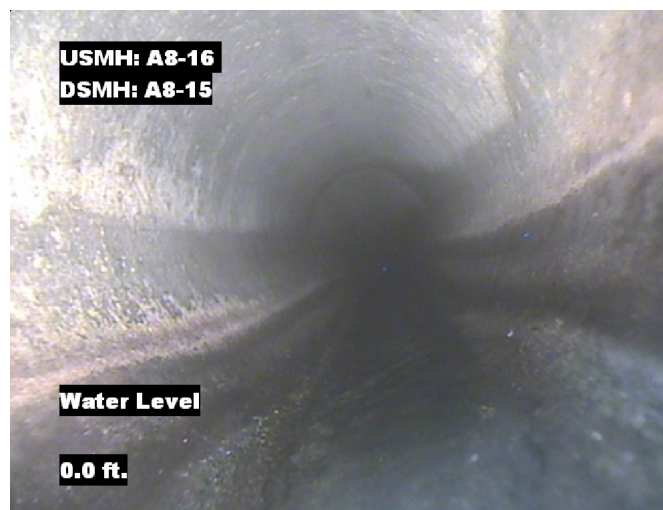


Image Report 4/Page

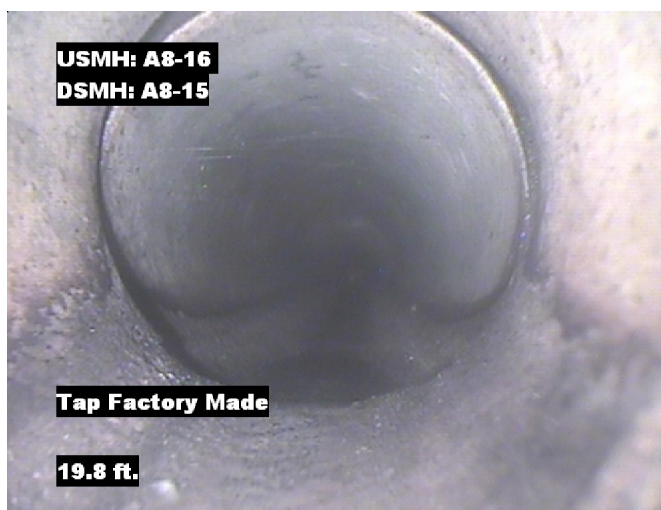
| | | | | | | |
|----------------------------------------------|----------------------------------------|-----------------------------------|--------------------------------------------------|-------------------|----------------------------------------------|-------------------------------------|
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| DS Manhole A8-15 | Length surveyed 288.3 | Year Renewed | Height 8 | Width 8 | Pipe Joint... 4 | |



Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: A8-16



Distance: 0.0 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Distance: 19.8 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

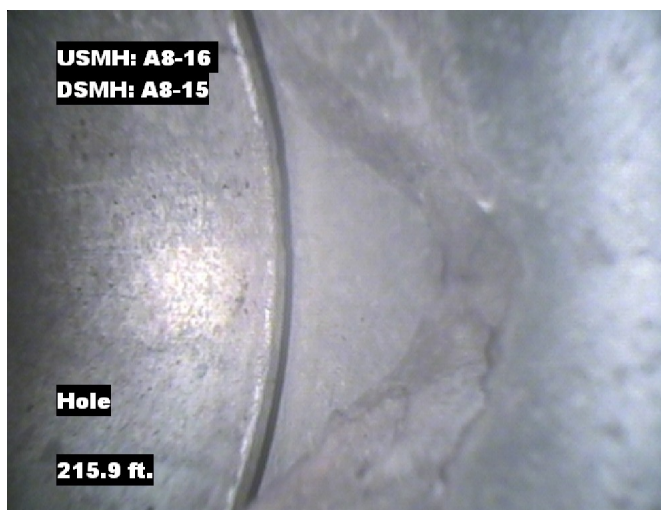


Distance: 141.8 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

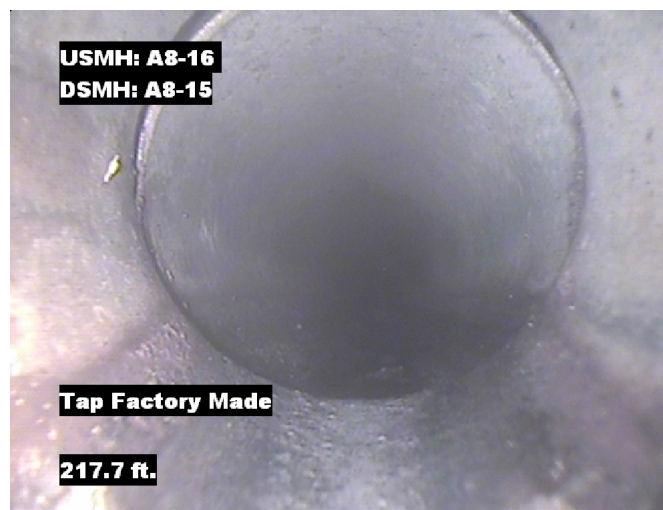


Image Report 4/Page

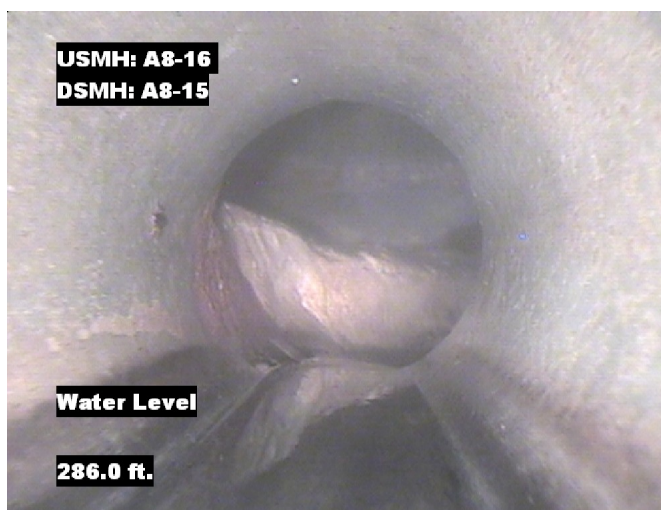
| Pipe Segment Refere... | City | Street | Material | Location C... | Sewer Use |
|------------------------|------------------------|------------------|-------------------------------|----------------------|-----------------|
| A8-16_A8-15 | Oliver Springs | Walden rd | Concrete Pipe (non-... | Light High... | Sanitary |
| Upstream MH | Total Length | Year Laid | Shape | Location Details | |
| A8-16 | 288.3 | | Circular | | |
| DS Manhole | Length surveyed | Year Renewed | Height | Width | Pipe Joint... |
| A8-15 | 288.3 | | 8 | 8 | 4 |



Distance: 215.9 ft. Grade: 3
Condition: Hole
Remarks: N/A



Distance: 217.7 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 285.9 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Distance: 288.3 ft. Grade: 0
Condition: Access Point Manhole
Remarks: A8-15



PACP Conditions

| | | | | | |
|----------------------------------------------|-------------------------------------------|--------------------------------|-------------------------------------------|---------------------------------------------|------------------------------|
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| SPRI 3 | MPRI N/A | Work Order 4397-02 | | Purpose Pre-Rehabilitation Survey | |
| QSR 3100 | QMR N/A | Direction Downstream | | Date 20150730 | |
| OPR 3 | Surveyed By Barry Rogers | Pre-Cleaning Jetting | | Media label | |
| OPRI 3 | Certificate Number U-1012-16405 | Time 13:48 | | Weather Dry | |
| Date Cleaned 20150730 | | | End Time 14:03 | | Additional Info |

| | | | Structural Ratings | | | O & M Ratings | | | Combined Ratings | | |
|--------------------|----|--------|--------------------|------------|--------|------------------|------------|--------|---------------------|------------|--------|
| | | | Grade Rating | No. Occur. | Rating | Grade Rating | No. Occur. | Rating | Grade Rating | No. Occur. | Rating |
| Normal Defects | | | | | | | | | | | |
| | | | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 |
| | | | 2 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 |
| | | | 3 | 1 | 3 | 3 | 0 | 0 | 3 | 1 | 3 |
| | | | 4 | 0 | 0 | 4 | 0 | 0 | 4 | 0 | 0 |
| | | | 5 | 0 | 0 | 5 | 0 | 0 | 5 | 0 | 0 |
| Continuous Defects | | | | | | | | | | | |
| Code | ID | Length | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | Subtotals | 1 | | Subtotals | 0 | | Subtotals | 1 | |
| SUMMARY | | | Pipe Rating | 3 | | Pipe Rating | 0 | | Overall Pipe Rating | 3 | |
| | | | Structural Index | 3.0 | | O&M Index | 0 | | Overall Index | 3.0 | |
| | | | Str. Quick Rating | 3100 | | O&M Quick Rating | 0000 | | Ovrl. Quick Rating | 3100 | |